

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A facility management system comprising:
a-flow line-measuring means for measuring a flow line of a moving body by detecting said moving body in a facility to be monitored and outputting flow line information based on said measuring of said flow line; and
a-management information generating means for producing management information for management from said flow line information, wherein
wherein said management information generating means comprises:
a-moving body identifying means for identifying said moving body; and
a-movement cost-calculating means for calculating a cost expended on movement of said moving body from said flow line information, and
wherein said movement cost-calculating means calculates said movement cost based on a time unit price specific to said identified moving body and a time period required for said movement as said movement cost,
wherein the time unit price is a value corresponding to the cost of moving the moving body per unit of time and the time period is the length of time it takes to move the moving body along the length of said flow line.
2. (currently amended) A facility management system comprising:

flow line-measuring means for measuring a flow line of a moving body by detecting said moving body in a facility to be monitored and outputting flow line information based on said measuring of said flow line; and

management information generating means for producing management information for management from said flow line information,

wherein said management information generating means comprises:

moving means identifying means for identifying one of a plurality of moving means for moving said moving body, and

movement cost-calculating means for calculating a cost expended on movement of said moving body from said flow line information.~~A facility management system according to claim 1,~~

wherein the flow line includes a plurality of sections corresponding to the plurality of moving means and said movement cost-calculating means calculates for each of the plurality of sections a total sum of values as said movement cost, each of said values being calculated by multiplying a time unit price specific to one of said plurality of a-moving means for moving said identified moving body by a time period required for said movement,

wherein the time unit price is a value corresponding to the cost of moving the moving body per unit of time and the time period is the length of time it takes to move the moving body along the length of said flow line.

3. (currently amended)A facility management system comprising:
a-flow line-measuring means for measuring a flow line of a moving body by detecting said moving body in a facility to be monitored and outputting flow line information based on said measuring of said flow line; and

a-management information generating means for producing management information for management from said flow line information,

wherein

wherein said management information generating means comprises;

a-moving means identifying means for identifying one of a plurality of a moving means for moving said moving body; and

a-movement cost-calculating means for calculating a cost expended on movement of said moving body from said flow line information, and

wherein the flow line includes a plurality of sections corresponding to the plurality of moving means and said movement cost-calculating means calculates for each of the plurality of sections a total sum of values as said movement cost, each of said values being calculated by multiplying a distance unit price specific to said identified moving means by a moving distance.

4. (currently amended) A facility management system according to any one of claim 1 to claim 3, wherein said management information generating means comprises a-movement cost-evaluating means for judging whether ~~or not~~ a cost calculated by said movement cost-calculating means is within a permissible range and an alarm outputting means for generating an alarm when said movement cost-evaluating means judges that the cost calculated by said movement cost-calculating means is outside of the permissible range.

5. (currently amended) A facility management system according to claim 4, wherein said management information generating means comprises;

a-facility layout-optimizing means for optimizing a layout of said facility so as to minimize said movement cost.

6. (previously presented) A facility management system according to any one of claim 1 to claim 3, wherein said flow line-measuring means installed in said facility to be monitored and said management information generating means installed in a monitoring center are connected to each other through a communication network.

Claims 7-14 (canceled).

15. (currently amended) A memory medium, which stores a program realizing any one of claim 1 to claim 3 and claims 5 and 44-6 on a computer.